

What is claimed is:

1. An apparatus for masking a workpiece coated with a photosensitive layer, to prevent exposure of select regions of the photosensitive layer, comprising:
 - 5 a workpiece pre-aligner for movably supporting and aligning the workpiece; and an ink delivery device arranged to be in communication with the photosensitive layer of the workpiece for providing a masking pattern of opaque ink on a photosensitive layer.
- 10 2. An apparatus according to claim 1, wherein the ink delivery device is connected to a control unit that controls the deposition of ink onto the photosensitive layer.
- 15 3. An apparatus according to claim 1, wherein the pre-aligner includes a rotation member capable of engaging and rotating the workpiece.
- 20 4. An apparatus according to claim 1, wherein the pre-aligner includes a movable arm capable of engaging and supporting the workpiece, wherein the arm is in operative communication with a workpiece stage of a lithography tool.
- 25 5. An apparatus according to claim 1, wherein the photosensitive layer is a negative-tone dry film resist.
- 30 6. An apparatus according to claim 2, wherein the control unit is connected to the pre-aligner so that information about the workpiece state can be provided to the control unit.
7. An apparatus according to claim 6, wherein the control unit is connected to a main controller of a lithography system.
- 35 8. An apparatus according to claim 1, wherein the pre-aligner is part of a lithography tool.
9. An apparatus according to claim 1, wherein the ink delivery device delivers fast-drying ink that adheres to MYLAR®.

10. An apparatus according to claim 1, wherein the ink delivery device is movable over the workpiece.
- 5 11. An apparatus according to claim 2, wherein the controller is programmable so as to form a desired masking pattern on the workpiece.
- 10 12. An apparatus according to claim 1, wherein the ink delivery device includes an inkjet head.
- 15 13. A method of selectively masking a photosensitive workpiece, comprising:
selecting one or more regions of the photosensitive workpiece surface to remain unexposed; and
masking the one or more select regions of the workpiece with a layer of ink that is opaque to a wavelength of radiation that activates the photosensitive workpiece.
- 20 14. A method according to claim 13, wherein the masking includes depositing the layer of ink with an inkjet head.
- 25 15. A method according to claim 14, including programming an inkjet head control unit connected to the inkjet head to control the deposition of ink.
- 30 16. A method according to claim 15, including coordinating the deposition of ink with the movement of the workpiece.
- 35 17. A method according to claim 14, wherein masking the workpiece includes moving the workpiece underneath the inkjet head.
- 40 18. A method according to claim 13 wherein the workpiece is round and has an edge, and the one or more select regions include a narrow annulus adjacent the workpiece edge.
- 45 19. A method according to claim 13, wherein the masking includes forming one or more alphanumeric characters.
- 50 20. A method according to claim 13, wherein the masking includes forming a

bar code.

21. A method according to claim 13, wherein the masking is formed outside of an area of the workpiece where exposure fields are to be formed.